

Oil Seed Rape



Crop Advice Sheet

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ICL Specialty
Fertilizers



Crop specification

Soil

The crop grows best in medium-textured soil, but is successful on a wide range of soil textures, such as loam and clay, but sandy soils should be avoided. Soil pH at 5.7–7.0 is optimal. Rapeseed does not tolerate waterlogged conditions, hence it requires well-drained soils.

Temperature

Rapeseed grows best at temperatures between 3-25 °C, while optimum temperature for growth and production is 21°C. During its lifecycle, the plant may be exposed to extreme temperatures, below zero in the winter (in case of autumn varieties), and over 30 °C at summer time. The plant is especially sensitive to heat stress at 27–30 °C, during flowering and early pod-set.

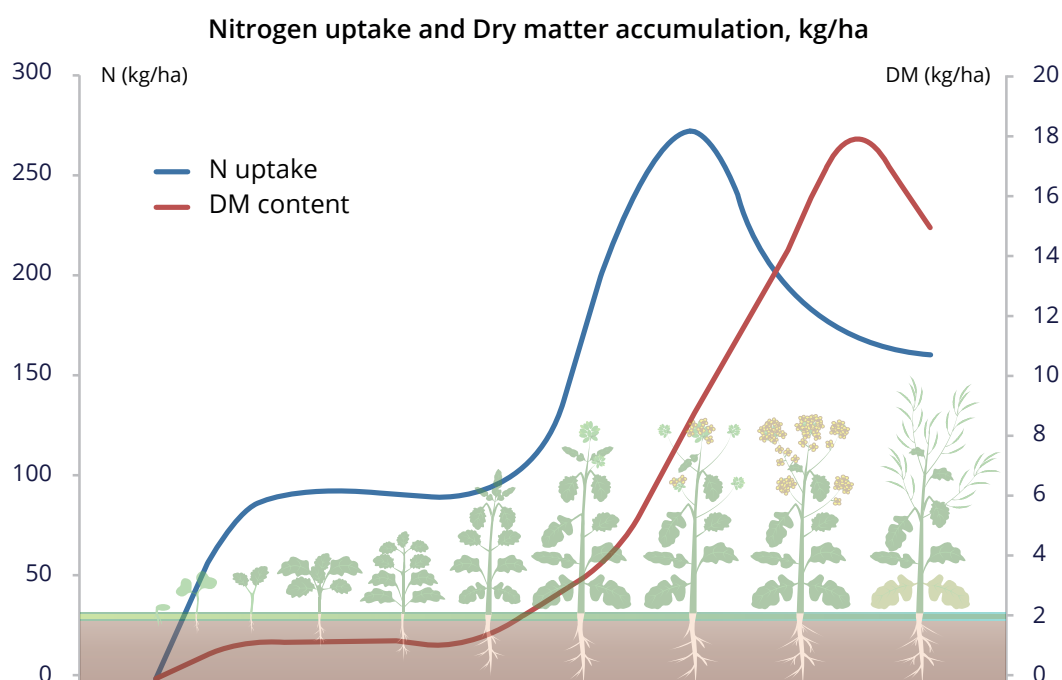
Macronutrients

If grain is the only part that is removed from the field during harvest, nitrogen is the most important element removed from the soil. Unlike many other crops, sulfur is removed in relatively high rates in the grain. Sulfur is often the second most limiting nutrient for successful winter rapeseed production. But, if the entire plant is removed, nitrogen is the least voluminous element, phosphorus is second, and potassium is the element removed mostly from the field, and, therefore it should be generously applied to the soil before next crop is sown.

Micronutrients

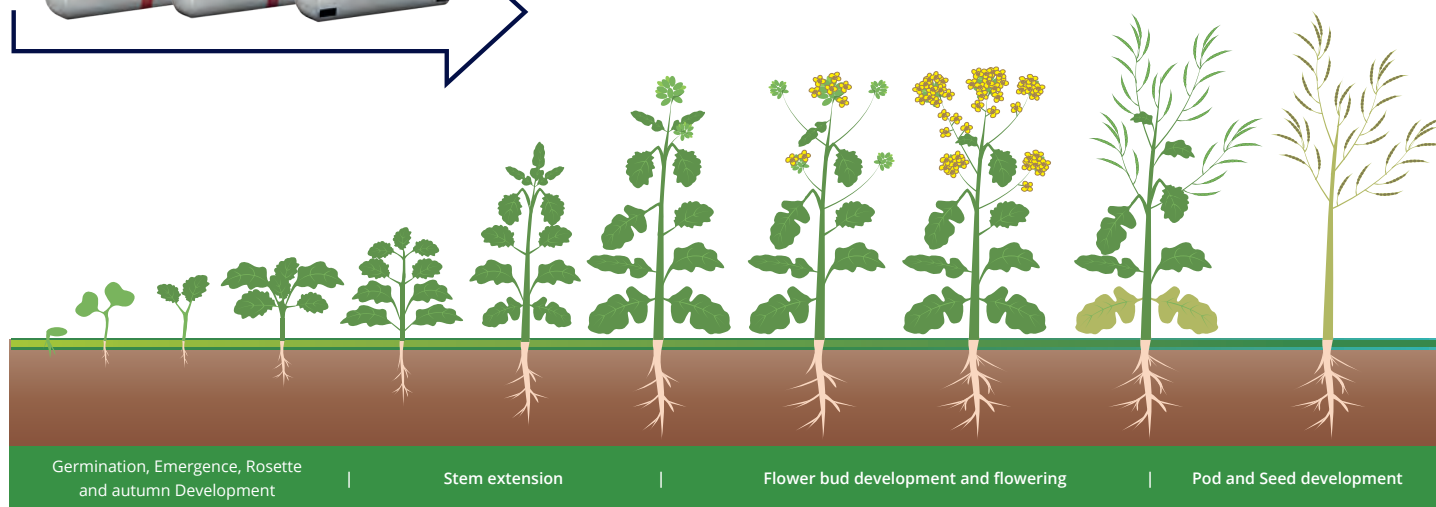
If grain is the only part that is removed from the field during harvest, micronutrients should be applied to the field in the following rate order: Fe > B > Mn = Zn >> Cu.

Precise information is lacking for making scientific recommendations if the entire plants are removed from the field.



Adapted from: US Canola Growers' Manual, 2008 & Canola growth & development, Australia, 2011

Our solution with...



... Our Specialty Fertilizers

Controlled Release & Granular Fertilizers

Analysis (%) / Longevity / Coated % / Dosage	Timing / Method of application
Agromaster, 15-24-10+2MgO+8SO₃, 2-3M, 30%N 250-400 kg/ha	Before sowing / Broadcasting or row
Agromaster Start Mini, 21-21-5+2MgO+15SO₃, 2-3M, 40%N, 25-30 kg/ha or Agromaster Start Mini, 12-44-0+5SO₃, 1-2M, 36%NP 25-30 kg/ha	Sowing / In Furrow
Polysulphate, 0-0-14+17CaO+6MgO+48SO₃ 150-200 kg/ha	Early in Spring / Broadcasting
Agromaster, 40-0-5, 1-2M, 30%N 150-250 kg/ha	Beginning of stem extension / Broadcasting

*These recommendations are made based on certain conditions. Please choose the right dosage according to your soil analysis and fertilizing management!
For more information about our products, please visit www.icl-sf.com or contact your local ICL SF area sales manager!*

Foliar Fertilizers & Specialties

Product name / Analysis (%) / Dosage			Timing / Method of application
Agroleaf Power High P — 12-52-5+TE / 2-2.5kg/ha and Agroleaf Power High K — 15-10-31+TE / 2-2.5 kg/ha or Agroleaf Crop Oil Seed — 6-18-31+2MgO+0.5B+TE / 5-8 kg/ha			6-8 leaves / Foliar
Agroleaf Power Total — 20-20-20+TE / 3-5 kg/ha or Agroleaf Power Magnesium — 10-5-10+16MgO+32SO₃+TE / 5 kg/ha			Early in Spring / Foliar
Agroleaf Power High N — 31-11-11+TE / 3-5 kg/ha			First bud visible / Foliar
Agroleaf Crop Oil Seed — 6-18-31+2MgO+0.5B+TE / 5-8 kg/ha or Agroleaf Power High K — 15-10-31+TE / 3-5 kg/ha			First flower open / Foliar
pHixer	Water hardness	Dosage in 100 ltr water	A water conditioner for every foliar application
	Soft	40-50 ml	
	Medium Hard	100-180 ml 180-120ml	

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